DOCUMENT RESUME

ED 420 985 EF 005 072

TITLE Square Footage Requirements for Use in Developing the Local Facilities Plans and State Capital Outlay Applications for Funding.

INSTITUTION Georgia State Dept. of Education, Atlanta. Facilities Services Unit.

PUB DATE 1996-11-00

NOTE 14p.

PUB TYPE Guides - Non-Classroom (055) -- Numerical/Quantitative Data (110)

EDRS PRICE MF01/PC01 Plus Postage.

DESCRIPTORS Capital Outlay (For Fixed Assets); Educational Facilities; *Educational Facilities Design; Educational Finance; Elementary Secondary Education; *Facility Guidelines; Interior Space; *School Size; *School Space; *State Regulation

IDENTIFIERS *Georgia

ABSTRACT

This document presents the space requirements for Georgia's elementary, middle, and high schools. All square footage requirements are computed by using inside dimensions of a room; the square footage of support spaces in suites may be included when computing the square footage of the suite. Examples of support spaces include storage rooms, offices, kilns, and others. The space requirements are classified by building section: classrooms, including access to work counters; corridors, which must be at least eight feet wide; art rooms; music rooms; science rooms; vocational needs such as agriculture, technology, and various clusters including metals, auto body, and electronics; the media center; the reserve officers training corp; the theater; physical education area; food service area; and toilets, including the number of fixtures for student toilet rooms and the separate toilet fixtures and facilities for each sex. Includes four charts listing instructional unit allocators. (RJM)

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ED 420 985

SQUARE FOOTAGE REQUIREMENTS FOR USE IN DEVELOPING THE LOCAL FACILITIES PLANS AND STATE CAPITAL OUTLAY APPLICATIONS FOR FUNDING

GEORGIA DEPARTMENT OF EDUCATION
FACILITIES SERVICES UNIT
November 1996

EF 005 072

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GEORGIA PUBLIC SCHOOLS
MINIMUM REQUIREMENTS FOR
FACILITIES PLANS - APPLICATIONS - ARCHITECTURAL DESIGN

NEW SCHOOL BUILDING REQUIREMENTS

New facilities are approvable up to a 10 percent maximum reduction in overall building gross square footage.

Total square footage for new schools is determined by formula. All required spaces with adequate size must be designed from the space budget.

New School Formula:	**Square Footage Budget**
Elementary Schools	1,800 x I.U. = Construction Budget*
Middle Schools	2,250 x I.U. = Construction Budget
High Schools	2,850 x I.U. = Construction Budget

*If Music, Art, and/or Physical Education are not included in the program, S.F. and funding calculations will be reduced accordingly.

SPACE REQUIREMENTS FOR REQUIRED INSTRUCTIONAL AND SUPPORT AREAS

All square footages shown below are NET, computed by using inside dimensions of room; square footage of support spaces (including interior partition thicknesses) in suites (Art, Music, Science, Vocational, Media, ROTC, Theater, Physical Education, and Kitchen) may be included when computing the square footage of the suite. Examples of support spaces are: storage room, office, kiln, etc.

A. CLASSROOM

1. Existing instructional units (including labs) are approvable up to a 75 square foot reduction.

2. New classrooms must meet net square footage requirements (total inside square footage for instructional units).

3. Grades		Square Footage
K-3	(Each Primary classroom shall have immediate accessibility to a work counter (a minimum of 8 lineal feet) with sink and gooseneck faucet.	750
4-8		660
9-12		600

B. CORRIDORS

The minimum clear width of corridors shall be 8 feet when serving 2 or more instructional units. High school corridors, where lockers will be installed, shall be a minimum clear width of 9 feet if the lockers are on one side only. If there are to be lockers on both sides, the corridor must be at least 10 feet wide.

When a corridor serves 10 or more instructional units, add 1 more foot to the base clear width and adjust with 1 additional foot for each width of lockers that is located in the corridor. Major high school corridors serving 12 or more instructional units shall be at least 12'0" wide with an additional foot added for each width of lockers to be located in the corridor.

C. ART	SQUARE FOOTAGE
1. High School	1,800-2,000
2. Middle School	1,800-2,000
3. Elementary School	1,000

D. MUSIC

1. High School	
Instrumental (Band)	1,800-2,400
Choral	1,500-1,800
Combination Instrumental & Choral	1,800-2,400
2. Middle School	
Instrumental (Band)	1,400-1,600
Choral	1,200-1,400
Combination Instrumental & Choral	1,400-1,600

3. Elementary School	
Instrumental/Choral	1,000

E. SCIENCE

	SQUARE FOOTAGE
1. High School	
Laboratory	900
Laboratory & Classroom Combination	1,000-1,200
2. Middle School	
Classroom with Teacher Demo Table	1,000-1,100

F. VOCATIONAL

1. High School	
Technology	3,600
Agriculture	3,600
Home Economics:	
1. Teachers	1,500
2. Teachers	2,400
CBE (Cooperative Business Education) or Computer Science	1,100
ME (Marketing Education)	1,300
DCT (Diversified Cooperative Training)	900
CVAE (Coordinated Vocational & Academic Education)	750
PECE (Program of Education & Career Exploration)	750
Clusters:	
Transportation	3,200
Construction	3,000
Metals	2,800
Electro-Mechanical	2,400
Graphic Arts	2,400
Auto Body	2,700
Horticulture	900
Greenhouse	2,000
Electronics	1,800
Health Occupations	1,600

Child Care	1,800
Food Service	2,300
Clothing and Textiles	1,800
Cosmetology	2,000
Office Machine Repair	1,600
Drafting and Design	1,000
Law Enforcement	1,000

F. VOCATIONAL (continued) **SQUARE FOOTAGE (continued)**

2. Middle School

Exploratory Technology	2,700
Agriculture	750
Home Economics	1,500
CBE (Cooperative Business Education) or Computer Science	750
CVAE (Coordinated Vocational and Academic Education	750
PECE (Program of Education and Career Exploration)	750

Add square footage for rest rooms and circulation, when required.

C. MEDIA CENTER SQUARE FOOTAGE

FTE	Square Footage	FTE	Square Footage	FTE	Square Footage
0-263	1900	1051-1076	4425	1839-1864	6675
264-289	1995	1077-1103	4500	1865-1890	6750
290-315	2090	1104-1129	4575	1891-1916	6825
316-341	2185	1130-1155	4650	1917-1943	6900
342-368	2280	1156-1181	4725	1944-1969	6975
369-394	2375	1182-1208	4800	1970-1995	7050
395-420	2470	1209-1234	4875	1996-2021	7125
421-446	2565	1235-1260	4950	2022-2048	7200
447-473	2660	1261-1286	5025	2049-2074	7275
474-499	2755	1287-1313	5100	2075-2100	7350
500-525	2850				
526-551	2925	1314-1339	5175	2101-2126	7425
552-578	3000	1340-1365	5250	2127-2153	7500
579-604	3075	1366-1391	5325	2154-2179	7575
605-630	3150	1392-1418	5400	2180-2205	7650
631-656	3225	1419-1444	5475	2206-2231	7725
657-683	3300	1445-1470	5550	2232-2258	7800
684-709	3375	1471-1496	5625	2259-2284	7875
710-735	3450	1497-1523	5700	2285-2310	7950
736-761	3525	1524-1549	5775	2311-2336	8025
762-788	3600	1550-1575	5850	2337-2363	8100
789-814	3675	1576-1601	5925	2364-2389	8175
815-840	3750	1602-1628	6000	2390-2415	8250
841-866	3825	1629-1654	6075	2416-2441	8325
867-893	3900	1655-1680	6150	2442-2468	8400
894-919	3975	1681-1706	6225	2469-2494	8475
920-945	4050	1707-1733	6300	2495-2520	8550
946-971	4125	1734-1759	6375	2521-2546	8625
972-998	4200	1760-1785	6450	2547-2573	8700
999-1024	4275	1786-1811	6525	2574-2599	8775
1025-1050	4350	1812-1838	6600	2600-2625	8850

Schools over 2625 FTE should add 75 square feet per 26 students beyond the 8850 square footage figure.

All square footages stated are net totals. Existing media centers are approvable with up to a 500 square foot reduction from requirements.

Electronic Distribution System (EDS)

All new schools and additions to existing schools shall be equipped with a completely operational electronic distribution system including wiring, amplifiers, splitters, mixers, taps, outlets and all other active and inactive devices necessary for the acquisition, processing and distribution of television channels and FM radio. Plans for new schools shall also provide all available instructional TV channels possible without programming duplication, commercial channels that carry either ABC, CBS, or NBC and an instructional FM radio station.

Data Communication Network Wiring

All new schools shall be equipped with a completely operational Local Area Network (LAN). This data communication network shall be a complete operational LAN including: a main distribution frame, intermediate distribution frames, all wiring, outlets, and necessary devices for a data communication system. Architectural plans shall include this information when submitted to the Department for review.

H. RESERVE OFFICERS TRAINING CORP

	Sq. Ftge w/range	Sq. Ftge. w/out range
1. Range, Storage, Administration and one Classroom	3,600	2,000
2. Range, Storage, Administration and two Classrooms	4,400	2,800
3. Range, Storage, Administration and three Classrooms	5,200	3,600

I. THEATER

A maximum of 1,500 square feet may be developed for drama when it is included in the instructional program according to the following:

1. Excess units may be modified in existing facilities.

2. Total square footage for new schools is determined by formula. All required spaces with adequate size must be designed from the space budget. Good planning by the educator and architect may result in space for the theater in a new school.

J. PHYSICAL EDUCATION

	SQUARE FOOTAGE
Elementary School	5,000-8,000*
Middle School	16,000**
High School	22,000***

*5,000 S.F. for one instructor; 8,000 S.F. for more than one instructor (FTE must be 900 or more for the state to participate in an 8,000 S.F. PE facilitity).

**1,000 S.F. of the recommended amount is for athletics; therefore, 1,000 S.F. is ineligible for state funding.

*** 3,000 S.F. of recommended amount is for athletics; therefore 3,000 S.F. is ineligible for state funding.

K. FOOD SERVICE

1. Formula for Cafeteria:

   Elementary = Total FTE divided by 3.15 multiplied by 10
   Middle and High = Total FTE divided by 3.15 multiplied by 12

If a space for assembly is included in cafeteria, the formula is total FTE multiplied by 5 square feet.

2. Kitchen and all support areas for food service:

FTE	SQUARE FOOTAGE
Up to 525	1,600
526-788	2,000
789-1,050	2,400
1,051-1,313	3,000
1,314-1,575	3,500
1,576-2,100	4,000

a. For updating old facilities, the additional square footage for assembly areas will be provided with local funds.

b. Total square footage for new schools is determined by formula. All required spaces with adequate size must be designed from the space budget. Good planning by the educator and architect may result in space for assembly areas in the cafeteria for a new school.

L. Toilets

MINIMUM PLUMBING FIXTURE REQUIREMENTS FOR SCHOOL MAIN BATTERY TOILET ROOMS

No. of Pupils each sex	GIRLS						BOYS								
	Grades K-5		Grades 6-8		Grades 9-12		Grades K-5			Grades 6-8			Grades 9-12		
	WC	Lav	WC	Lav	WC	Lav	WC	U	Lav	WC	U	Lav	WC	U	Lav
50*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
60	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
70	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2
80	3	2	3	2	3	2	2	3	2	2	2	2	2	2	2
90	4	2	3	2	3	2	3	3	2	2	3	2	2	2	2
100	4	2	3	2	3	2	3	3	2	3	3	2	2	2	2
110	4	2	4	2	4	2	3	4	2	3	3	2	2	2	2
120	5	2	4	2	4	2	3	4	2	3	4	2	3	3	2
130	5	2	5	2	4	2	4	4	2	3	4	2	3	3	2
140	6	2	5	2	4	2	4	4	2	4	4	2	3	3	2
150	6	3	6	3	5	2	4	4	3	4	4	2	3	3	2
160	6	3	6	3	5	2	4	5	3	4	4	2	3	3	2
170	7	3	6	3	5	2	4	5	3	4	4	2	3	3	2
180	7	3	6	3	5	2	5	5	3	4	4	3	3	3	2
190	8	3	7	3	6	2	5	5	3	4	5	3	4	4	2
200	8	3	7	3	6	2	5	6	3	5	5	3	4	4	2
210	8	4	7	3	6	2	5	6	4	5	5	3	4	4	2

In K-5 - Toilet rooms required must be within the wing, pod, etc., of classrooms
In 6-8 - Toilet locations must be in closer proximity to rooms than 9-12.
In 9-12 - Toilet locations must be on floor adequate for population of floor.
*Minimum student battery toilet.

The maximum number of students of either sex to be served by a single battery toilet, shall be 210 students.
Number of fixtures for students' toilet rooms:

For elementary schools, student toilet rooms shall be sized at 25 students per classroom in the area considered. If self-contained classrooms are in the area, deduct 25 students for each such classroom.

Number of fixtures for students' toilet rooms:

For elementary schools, student toilet rooms shall be sized at 25 students per classroom in the area considered. If self-contained classrooms are in the area, deduct 25 students for each such classroom.

For self-contained primary classrooms, provide two separate toilet rooms (each with one lavatory and one water closet) one for males and one for females. Two adjacent classrooms may share a pair of toilet rooms.

For high schools and middle schools, student toilet rooms shall be sized at 25 students per instructional unit.

All toilet rooms:

The privacy of student toilet rooms shall be protected with adequate privacy screening. (Wash fountains and/or lavatories may be located in a corridor recess without privacy screening provided that at least one operational lavatory with privacy screening is located inside the toilet room).

- Provide partitions between all toilet areas. Provide doors for all toilet booths.

Toilet rooms having two or more human waste fixtures shall be provided with a floor drain and hose bibb.

Separate toilet fixtures and facilities shall be provided for each sex.

Number of drinking fountains:

At least two fountain heads shall be provided in each school.

At least one fountain head shall be provided for each 75 elementary and each 100 to 125 middle or high school pupils, or fraction thereof in the area to be served. Fountains shall be exclusive of playground fountains, lunchroom fountains, or other special purpose fountains.

WAIVER REQUESTS

Requests for waivers of the minimum square footage requirements for instructional programs will be considered on a case-by-case basis by the State Board of Education. Requests must be in the form of a Local Board Resolution signed by the Board Chairman and System Superintendent and must include a description of the desired waiver and the justification for the change. If a waiver in a state project involves constructing/modifying/renovating less than stipulated in the application, state funding for that project will be reduced accordingly. The Local School Board will not be entitled to any state funds in the future for modifying or increasing these spaces if a waiver is granted. All modifications and increases to the waived spaces must be funded at the local level.

All requests for waivers shall be addressed to the State Superintendent of Schools c/o Facilities Services Section.

INSTRUCTIONAL UNIT ALLOCATIONS

FTE MID-RANGE	100	125	150	175	200	225	250	275	300	325	350	375	400	425
FTE RANGE	88 to 112	113 to 137	138 to 162	163 to 187	188 to 212	213 to 237	238 to 262	263 to 287	288 to 312	313 to 337	338 to 362	363 to 387	388 to 412	413 to 437
K-2	5	6	8	9	12	13	14	15	17	18	20	20	22	24
K-3	5	6	8	9	12	13	14	16	17	18	19	21	22	23
K-4	5	6	8	9	12	13	14	15	17	18	20	20	22	23
K-5	5	6	8	9	12	13	14	15	17	18	19	20	22	23
K-6	5	6	8	9	12	13	14	15	17	19	19	20	22	23
K-7	5	6	8	9	12	13	14	15	17	18	19	21	22	23
K-8	4	6	8	9	12	13	14	15	17	18	19	20	22	23
3-5 or any of 1-7	4	5	7	8	11	12	13	14	16	17	18	19	21	22
[Elementary Schools below base size (450 FTE) are ineligible for music, art, & PE units]														
6-8													25	26
6-12														
Any of 8-12	7	8	10	11	12	13	15	16	17	18	19	20	21	22

FTE MID-RANGE	450	475	500	525	550	575	600	625	650	675	700	725	750	775
FTE RANGE	438 to 462	463 to 487	488 to 512	513 to 537	538 to 562	563 to 587	588 to 612	613 to 637	638 to 662	663 to 687	688 to 712	713 to 737	738 to 762	763 to 787
K-2	30	32	34	35	36	37	38	40	41	42	43	44	46	47
K-3	31	32	33	34	36	37	38	40	41	42	42	44	46	47
K-4	30	32	33	34	35	37	39	39	40	42	43	44	45	46
K-5	30	31	33	34	36	37	38	39	40	42	43	44	45	46
K-6	30	31	34	34	35	36	38	39	41	42	42	43	45	46
K-7	30	31	33	34	36	37	38	39	40	41	42	44	46	47
K-8	30	31	33	34	35	36	38	40	41	41	42	43	45	46
3-5 or any of 1-7	29	30	32	33	34	35	37	38	39	40	41	42	44	45
6-8	28	29	30	31	32	33	35	36	37	38	39	39	41	42
6-12							31	32	33	34	35	36	38	39
Any of 8-12	24	25	26	27	28	29	31	32	33	34	35	36	38	39

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INSTRUCTIONAL UNIT ALLOCATIONS (Continued)

FTE MID-RANGE	800	825	850	875	900	925	950	975	1000	1025	1050	1075	1100	1125	1150
FTE RANGE	788 to 812	813 to 837	838 to 862	863 to 887	888 to 912	913 to 937	938 to 962	963 to 987	988 to 1012	1013 to 1037	1038 to 1062	1063 to 1087	1088 to 1112	1113 to 1137	1138 to 1162
K-2	50	50	51	52	55	56	57	58	60	61	63	64	65	66	67
K-3	48	50	51	52	55	56	57	58	59	60	62	64	64	65	66
K-4	49	50	51	51	55	56	57	58	58	60	62	63	64	65	66
K-5	48	50	51	52	54	55	57	58	59	60	61	63	64	65	66
K-6	49	50	51	51	54	55	57	58	59	60	61	62	64	65	66
K-7	48	49	50	51	55	56	57	58	58	59	61	63	64	65	66
K-8	48	50	51	52	54	55	56	57	58	60	62	63	64	64	65
3-5 or any of 1-7	47	48	49	50	53	54	55	56	57	58	60	61	62	63	64
6-8	43	45	46	47	48	49	50	51	52	53	55	56	57	58	59
6-12	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Any of 8-12	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54

FTE MID-RANGE	1175	1200	1225	1250	1275	1300	1325	1350	1375	1400	1425	1450	1475	1500	
FTE RANGE	1163 to 1187	1188 to 1212	1213 to 1237	1238 to 1262	1263 to 1287	1288 to 1312	1313 to 1337	1338 to 1362	1363 to 1387	1388 to 1412	1413 to 1437	1438 to 1462	1463 to 1487	1488 to 1512	
K-2	68	69	70	71	72	73	74	78	79	80	81	82	83	84	
K-3	68	68	69	71	72	72	73	78	79	79	81	82	82	83	
K-4	67	68	70	70	71	72	73	78	78	79	80	82	83	83	
K-5	67	67	69	70	71	72	73	77	78	79	80	81	83	83	
K-6	67	68	68	70	71	72	73	77	78	78	80	81	82	83	
K-7	67	67	68	70	71	72	73	77	78	78	79	81	82	83	
K-8	66	67	69	70	71	72	73	76	77	78	80	81	82	83	
3-5 or any of 1-7	65	66	67	68	69	70	71	75	76	77	78	79	80	81	
6-8	60	61	62	63	64	65	66	68	69	70	71	72	73	74	
6-12	55	56	57	58	59	60	61	62	63	64	65	66	67	68	
Any of 8-12	55	56	57	58	59	60	61	62	63	64	65	66	67	68	

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